

AMENDMENTS TO THE CLAIMS

Please cancel claims 12-13 and 15-29 without prejudice or disclaimer of their underlying subject matter.

1-29. (Canceled)

Please add the following new claims.

30. (New) An optical system having an optical module, the optical module comprising:

an optical element including a light receiving portion, said light receiving portion being between a shielding layer and a lens;

an optical filter between said lens and a diaphragm portion of a lens barrel, an opening through said diaphragm portion exposing said optical filter;

a plate between said lens barrel and a wiring board, said wiring board being between said optical element and said plate,

wherein said plate is of a first material, said wiring board being of a material other than said first material,

wherein said light receiving portion and said lens are disposed along an optical axis,

wherein a through-hole extends through said lens barrel, said plate, and said wiring board,

wherein said optical axis extends through said opening, said optical filter, and said through-hole.

31. (New) The optical system of claim 30, wherein said optical filter and said lens are moveable in a direction along said optical axis.

32. (New) The optical system of claim 30, wherein said optical filter is an infrared cutting filter.

33. (New) The optical system of claim 30, wherein said lens barrel is in an inner periphery of a holder, said plate being between said holder and said wiring board.

34. (New) The optical system of claim 33, wherein said lens barrel contacts said holder.

35. (New) The optical system of claim 30, wherein said diaphragm portion contacts said optical filter.

36. (New) The optical system of claim 30, wherein said lens barrel contacts said lens.

37. (New) The optical system of claim 30, wherein said lens barrel contacts said plate.

38. (New) The optical system of claim 30, wherein said plate contacts said wiring board.

39. (New) The optical system of claim 30, wherein bumps electrically connect said wiring board with said optical element.

40. (New) The optical system of claim 30, wherein said first material is a metal.

41. (New) The optical system of claim 30, wherein the shielding layer is a metal layer.

42. (New) The optical system of claim 30, wherein said shielding layer is a resin layer.

43. (New) The optical system of claim 42, wherein a portion of said resin layer is in contact with said wiring board.

44. (New) An imaging device comprising:

the optical system according to claim 30.

45. (New) A camera system using a camera module comprising:
the optical system according to claim 30.